OIPE
APR 23 2007
PATENT & TRADEMARK OFFICE

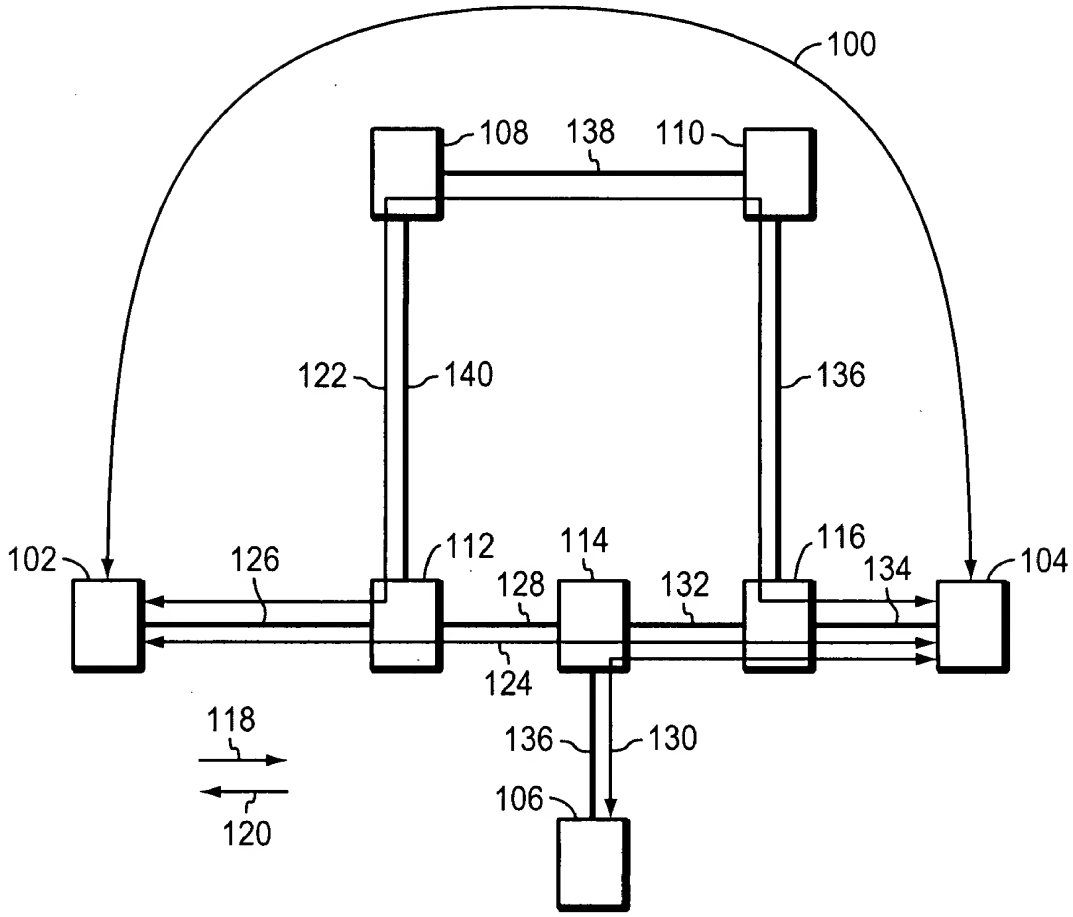


FIG. 1

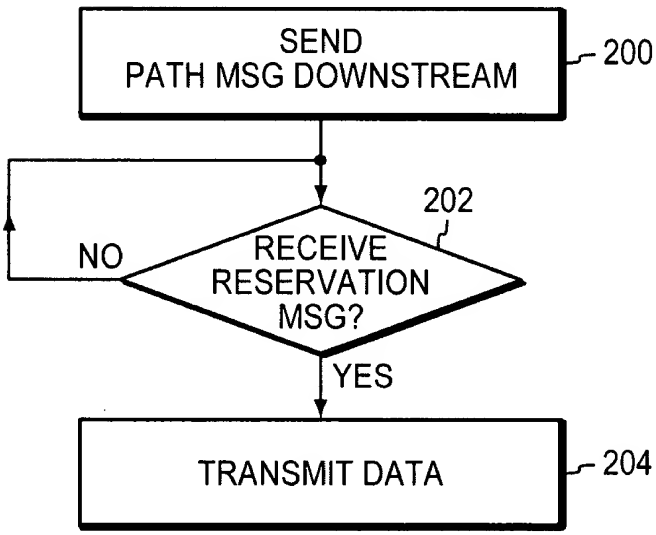

SEND
PATH MSG DOWNSTREAM
200
202
NO
RECEIVE
RESERVATION
MSG?
YES
TRANSMIT DATA
204

FIG. 2

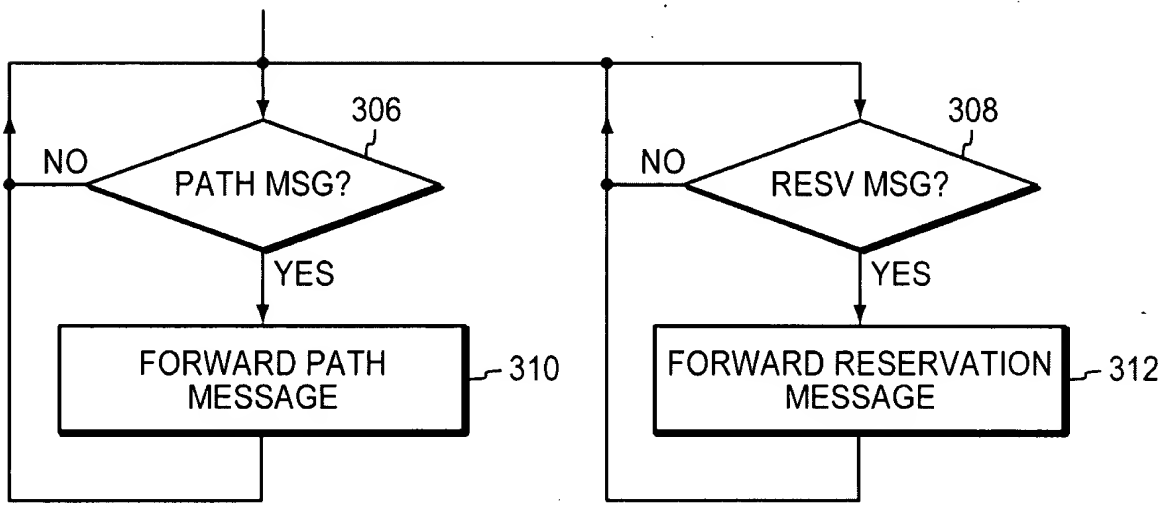
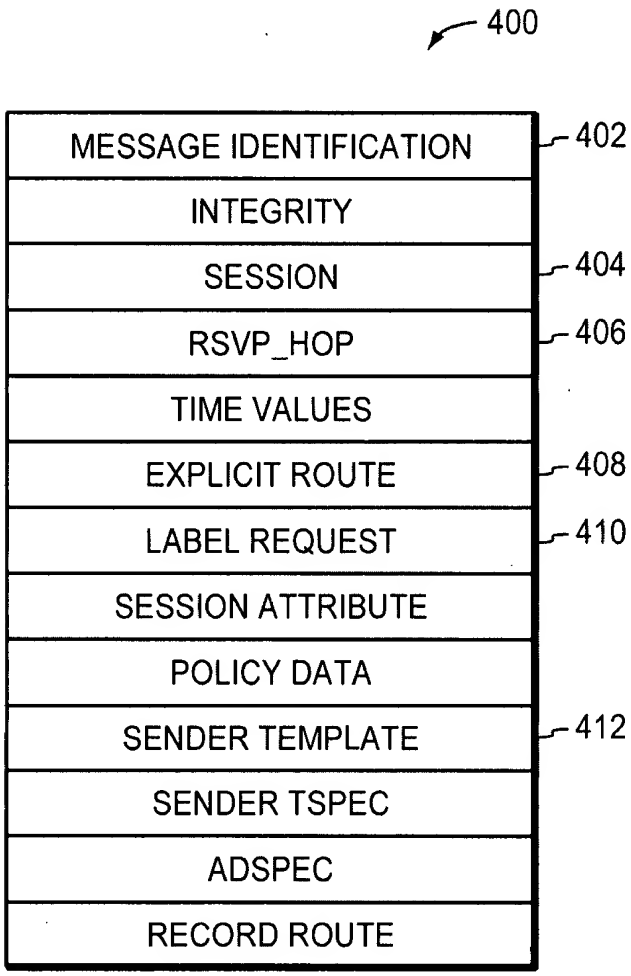
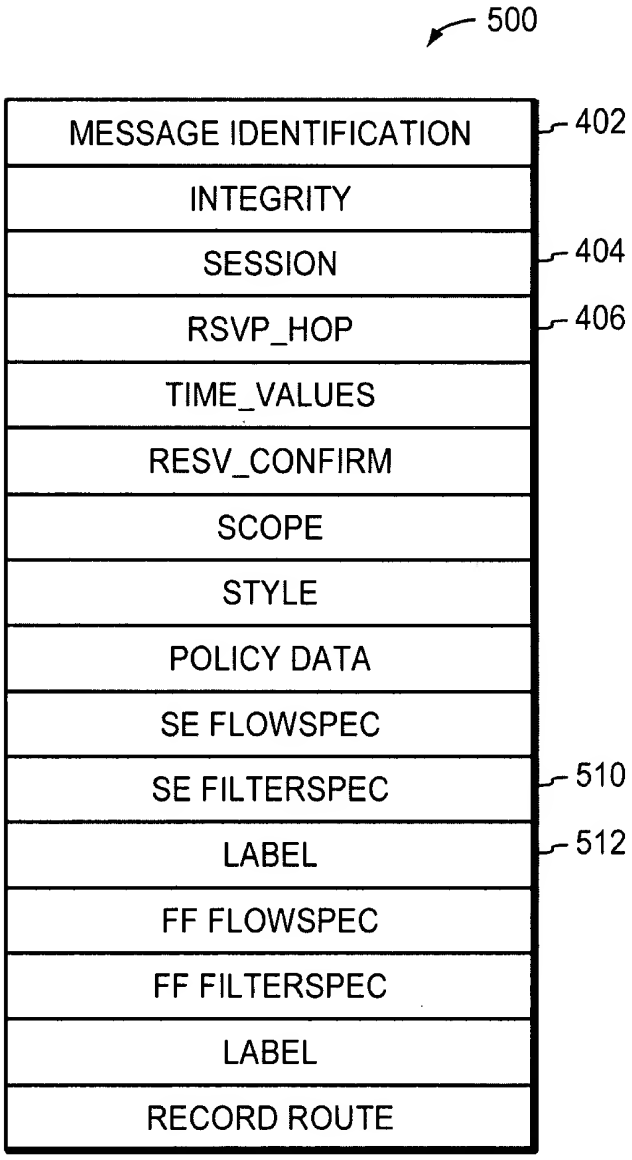

306
NO
PATH MSG?
YES
FORWARD PATH MESSAGE
310
308
NO
RESV MSG?
YES
FORWARD RESERVATION MESSAGE
312

FIG. 3



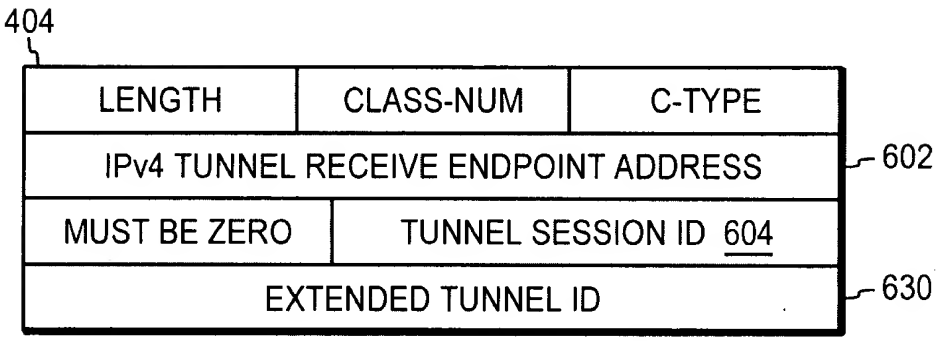
PATH MESSAGE

FIG. 4



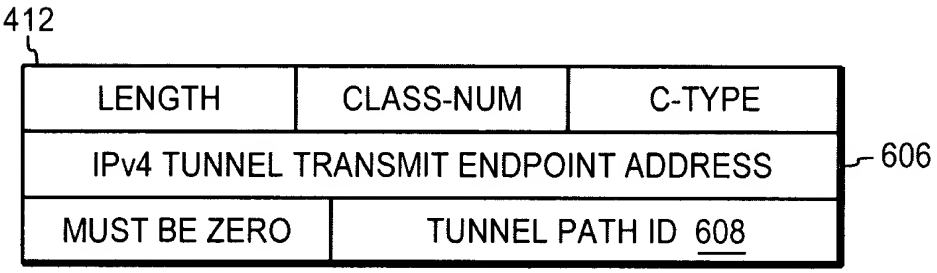
RESERVATION MESSAGE

FIG. 5



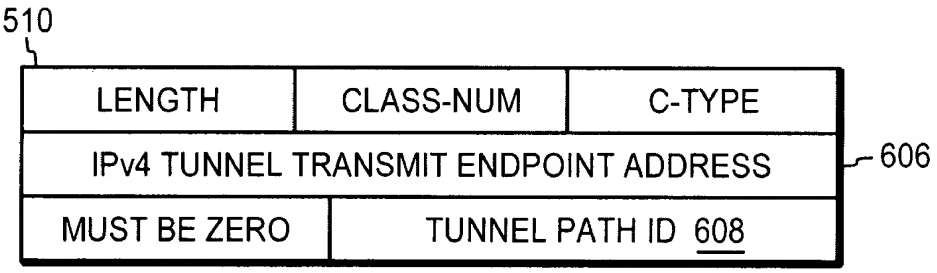
SESSION OBJECT

FIG. 6A



SENDER TEMPLATE OBJECT

FIG. 6B



FILTER SPEC OBJECT

FIG. 6C

408

LENGTH	CLASS-NUM	C-TYPE
TYPE LENGTH	IPv4 ADDRESS 610	
IPv4 ADDRESS	MASK	PADDR
TYPE LENGTH	IPv4 ADDRESS 612	
IPv4 ADDRESS	MASK	PADDR
TYPE LENGTH	IPv4 ADDRESS 614	
IPv4 ADDRESS	MASK	PADDR

EXPLICIT ROUTE OBJECT

FIG. 6D

506

LENGTH	CLASS-NUM	C-TYPE
FLAGS	OPTION VECTOR 612	

STYLE OBJECT

FIG. 6E

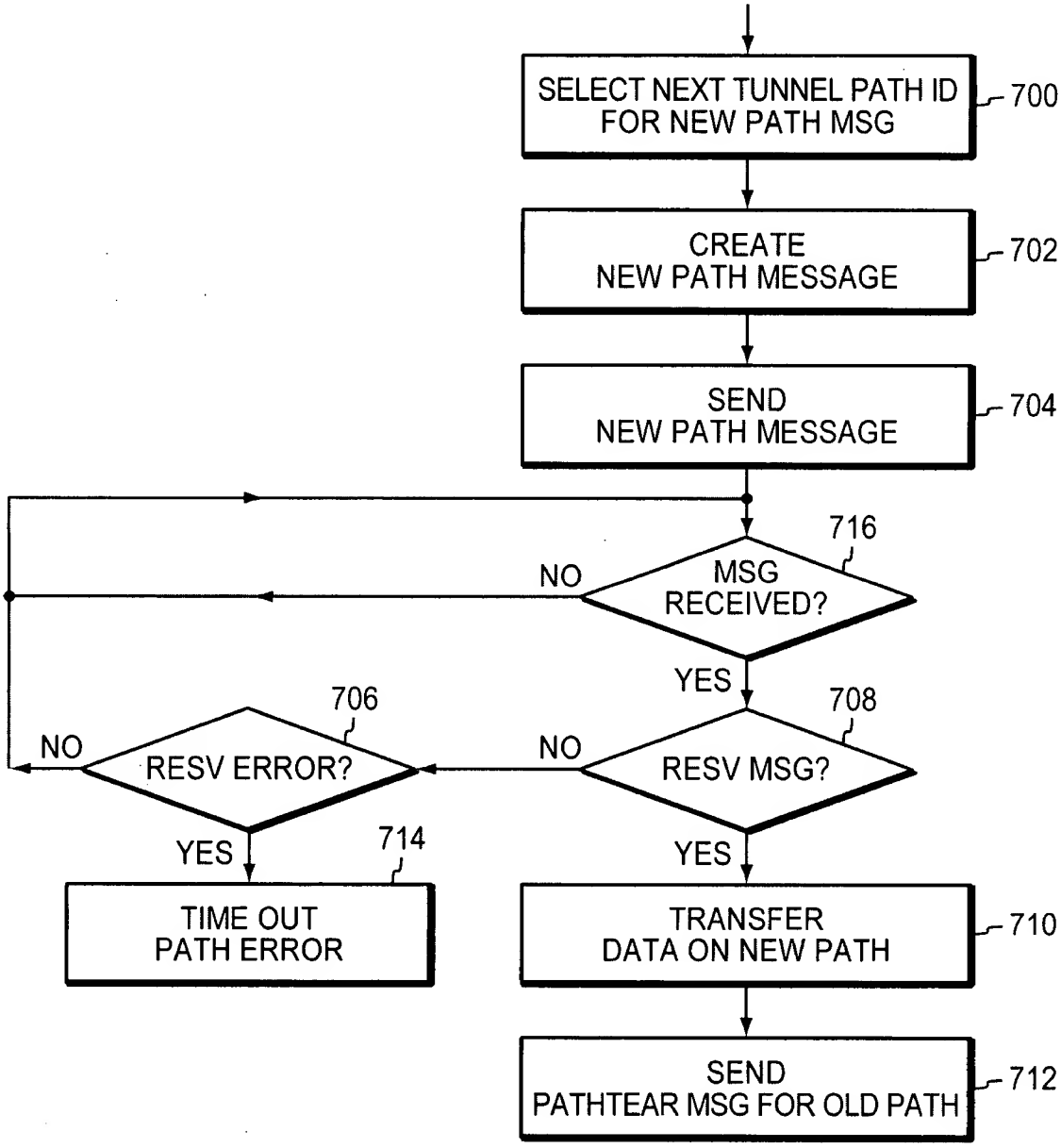

SELECT NEXT TUNNEL PATH ID FOR NEW PATH MSG
700
CREATE NEW PATH MESSAGE
702
SEND NEW PATH MESSAGE
704
716
MSG RECEIVED?
NO
YES
706
RESV ERROR?
NO
708
RESV MSG?
NO
YES
714
TIME OUT PATH ERROR
YES
TRANSFER DATA ON NEW PATH
710
SEND PATHTEAR MSG FOR OLD PATH
712

FIG. 7

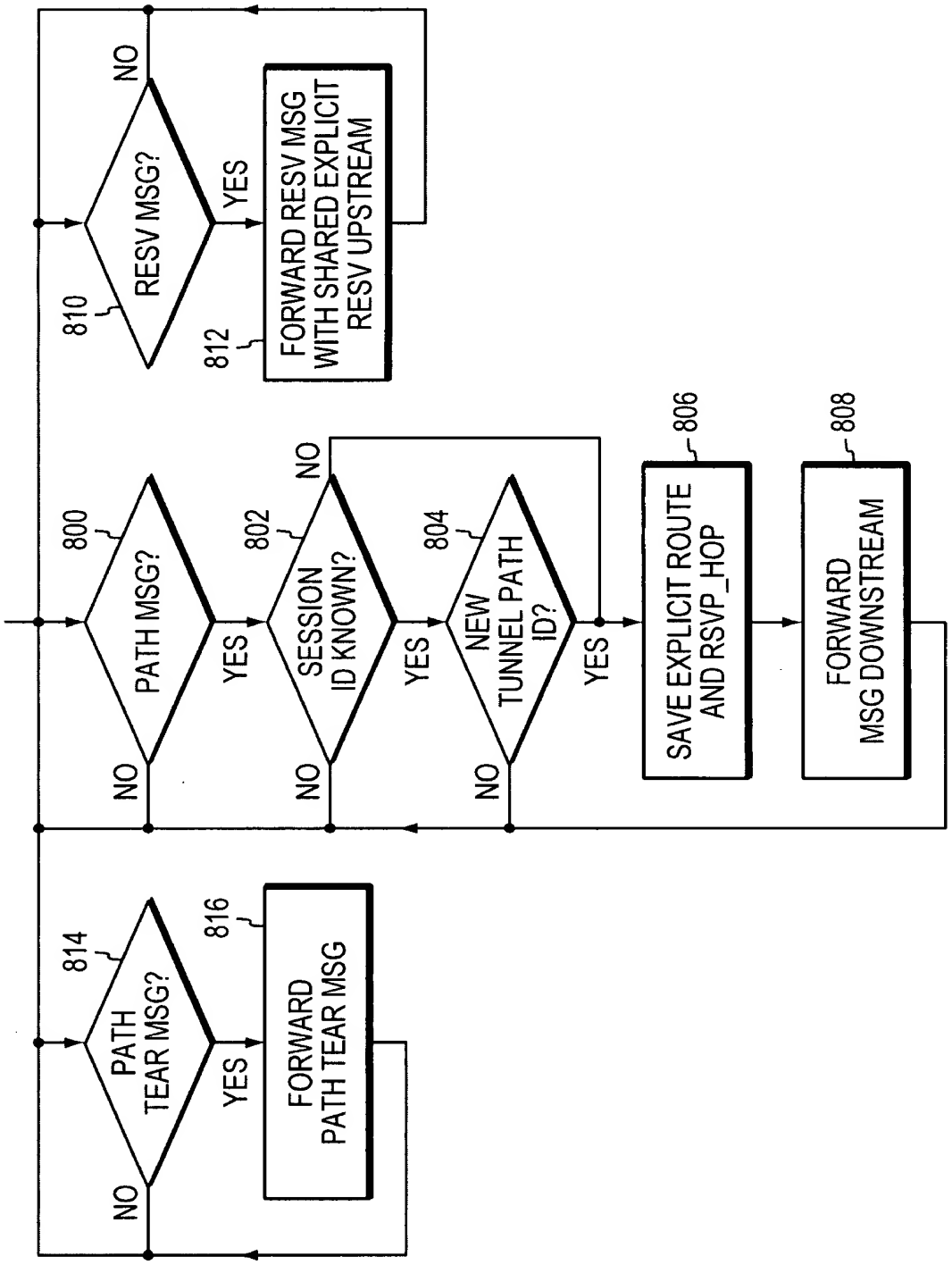

PATH MSG?
800
NO
YES
SESSION ID KNOWN?
802
NO
YES
NEW TUNNEL PATH ID?
804
NO
YES
SAVE EXPLICIT ROUTE AND RSVP_HOP
806
FORWARD MSG DOWNSTREAM
808
RESV MSG?
810
NO
YES
FORWARD RESV MSG WITH SHARED EXPLICIT RESV UPSTREAM
812
PATH TEAR MSG?
814
NO
YES
FORWARD PATH TEAR MSG
816

FIG. 8

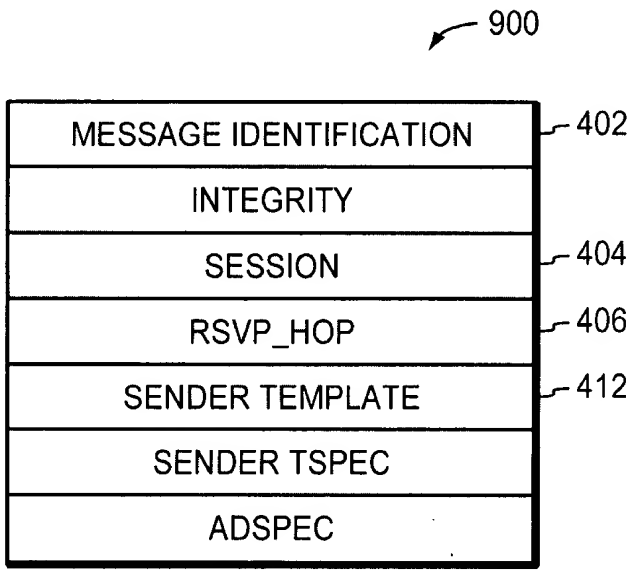

900
MESSAGE IDENTIFICATION
402
INTEGRITY
SESSION
404
RSVP_HOP
406
SENDER TEMPLATE
412
SENDER TSPEC
ADSPEC
PATHTEAR MESSAGE

FIG. 9